

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: Unknown )  
Filing Date: Unknown )  
Priority Date: 09 March 2000 )  
Applicant: MEHRA, Rahul et al )  
For: CONTROL SYSTEM FOR STORAGE )  
MEANS )

PRELIMINARY AMENDMENT

Director For Patents  
Box: New Application  
Washington, D.C. 20231

Dear Sir:

This is a preliminary amendment to the enclosed application entitled "Control System for Storage Means".

In the Specification:

Please amend the specification as follows:

Before the first paragraph on page 1, please insert

**--CROSS-REFERENCE TO RELATED APPLICATIONS**

This application claims priority to GB Application No. 0005542.6 filed 9 March 2000.

**BACKGROUND OF THE INVENTION--;**

Page 2, line 16, change "utilises" to --utilizes--.

Page 3, before line 6 insert the following heading:

**--SUMMARY OF THE INVENTION--;**

Page 5, before line 6, add the following header:

**--DESCRIPTION OF THE DRAWINGS--**

Page 5, before line 11, insert the following header:

**--DESCRIPTION OF THE PREFERRED EMBODIMENT--**

Page 6, after line 25, add the following:

--While the invention has been described with a certain degree of particularity, it is manifest that many changes may be made in the details of construction and the arrangement of components without departing from the spirit and scope of this disclosure. It is understood that the invention is not limited to the embodiments set forth herein for purposes of exemplification, but is to be limited only by the scope of the attached claim or claims, including the full range of equivalency to which each element thereof is entitled.--

In the claims

Please amend claims as follows:

1. (Amended) A receiver for digital data which is broadcast from a remote location, said receiver [including or connected to] comprising: a storage means which allows the selective storage of received data therein and a control system for the control of the storage means and the storage of data therein and [characterised in that the] wherein said storage system includes a "first in first out" buffer [(FIFO)] which includes commands for the control system and the control of the storage of the data in the storage means.
2. (Amended) A receiver according to claim 1 [characterised in that the] wherein

said data which forms the data to be stored [comprises] includes instruction data and block data and the paths for said data are decoupled.

3. (Amended) A receiver according to claim 2 [characterised in that the] wherein said data generated for [the] said first in first out buffer is compatible with the commands that are used to automate the bulk transfer of [the] said data to and from [the] said storage means.

4. (Amended) A receiver according to claim 1 [characterised in that] wherein the analysis, storage and directing of the incoming data into [the] said receiver is performed by a control processing unit [(CPU)] in [the] said receiver.

5. (Amended) A receiver according to claim 1 [characterised in that the] wherein said receiver controls which of the incoming data is to be stored and generates the signals for control of [the] said first in first out buffer to allow the storage of the appropriate data.

6. (Amended) A receiver according to claim 4 [characterised in that the CPU] wherein the computer processing unit loads the command signals data into [the FIFO] said first in first out buffer which can include data which is in the same form as it is received by any from the group consisting of [the] said receiver, and[/or] data which is altered by [the CPU] said computer processing unit and[/or] data generated by [the CPU] said computer processing unit.

7. (Amended) A receiver according to claim 6 [characterised in that the CPU] wherein said computer processing unit generates the command signals which instruct the transfer of data to and/or from [the] said data storage means.

8. (Amended) A receiver according to claim 7 [characterised in that the] wherein said command signals in [the FIFO] said first in first out buffer alter the start time for the storage of portions of incoming data [and/or allows a combined set of command signals to be generated].

9. (Amended) A receiver according to claim 1 [characterised in that] wherein the provision of each instruction in [the FIFO] said first in first out buffer in a generic form allows any possible register read/write command to be sent from/to the attached storage means.

10. (Amended) A receiver according to claim [10 characterised in that the] 9 wherein said storage means is an [ATA or ATAPI] advanced technology attachment [or advanced technology attachment pack interface] compatible device.

11. (Amended) A receiver according to claim 10 [characterised in that] wherein any additional information which is not used to provide the register read/write commands to the [HDD] hard disk drive is used to instigate the automated bulk transfer of the streamed data to [the] said storage means.

12. (Amended) A receiver according to claim 1 [characterised in that the] wherein said data which is stored is received from a remote location and broadcast via any selected from the group consisting of satellite, terrestrial [or] and cable broadcast systems and represents a plurality of user selectable video/audio channels and for which the data is required to be combined and processed in accordance with the user selection made to generate the particular channel to be watched via the receiver and display screen connected therewith and wherein some or all of said data is selected to be stored in [the] said storage means rather than being displayed at that instant.

Add new claims 13, 14, and 15 as follows:

13. A receiver according to claim 7 wherein said command signals in said first in first out buffer allows a combined set of command signals to be generated.

14. A receiver according to claim 9 wherein said storage means is an advanced technology attachment pack interface compatible device.

15. A receiver according to claim 1 wherein said receiver is connected to a storage means which allows the selective storage of received data therein.

[illegible]

Dated:

Respectfully Submitted

BY:

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